

PHENIX WEEKLY PLANNING



Feb. 27, 2014
Don Lynch

This Week

TECHNICAL SUPPORT NO-14

- Run 14 Continues
- Plan/Install MPC-Ex FEM
- Plan for 2014 Shutdown
- Tech Support for Run 14 as required
- New work permit for MPC-Ex FEM & rack installation
- Support for sPHENIX efforts as required



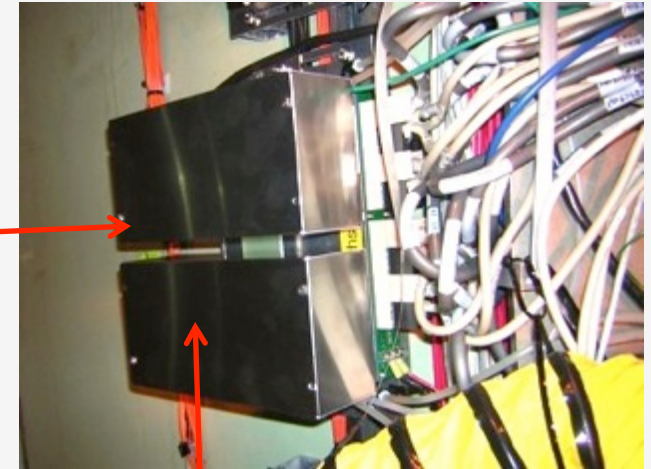
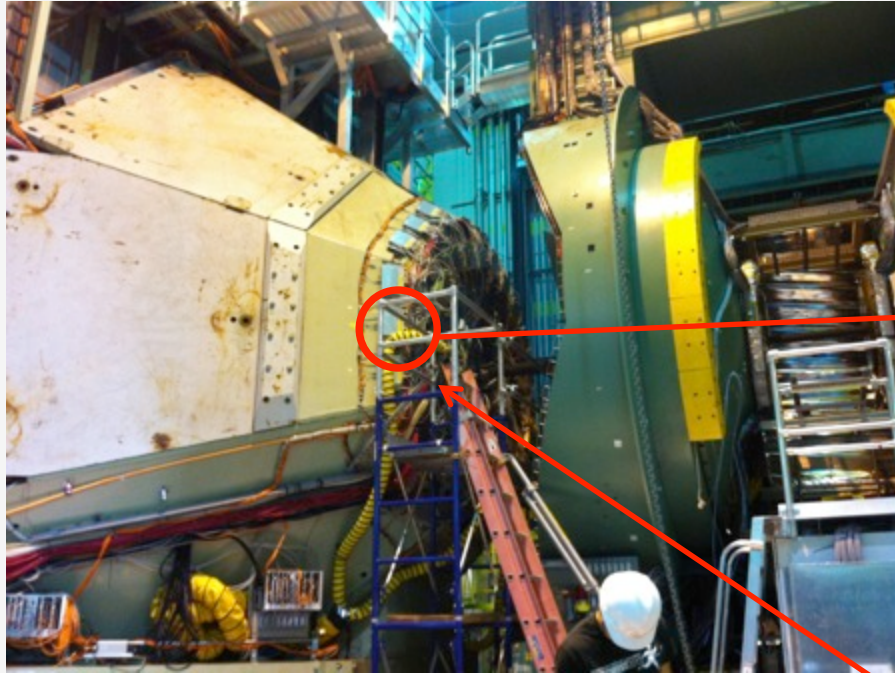
2/27/2014

Next Week

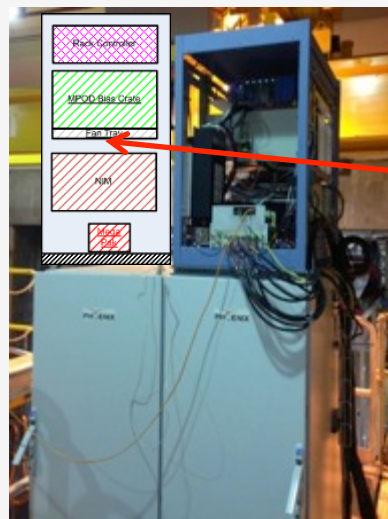
- Run 14 Continues
- Access 3/5?
 - Install MPC-Ex FEM &
 - Install S/S tubing on leaking VTX/FVTX Teflon
 - Other IR maintenance/repairs
- Plan for 2014 Shutdown
- Tech Support for Run 14 as required
- Support for sPHENIX efforts as required

MPC-Ex Initial (Partial) Installation

LEWIS & CLARK - 2014



Mechanical installation
Complete Services
connected



Rack assembly & FEM assembly waiting for
final FEM modules

2/27/2014

sPHENIX Prototype Beam Test @Fermilab

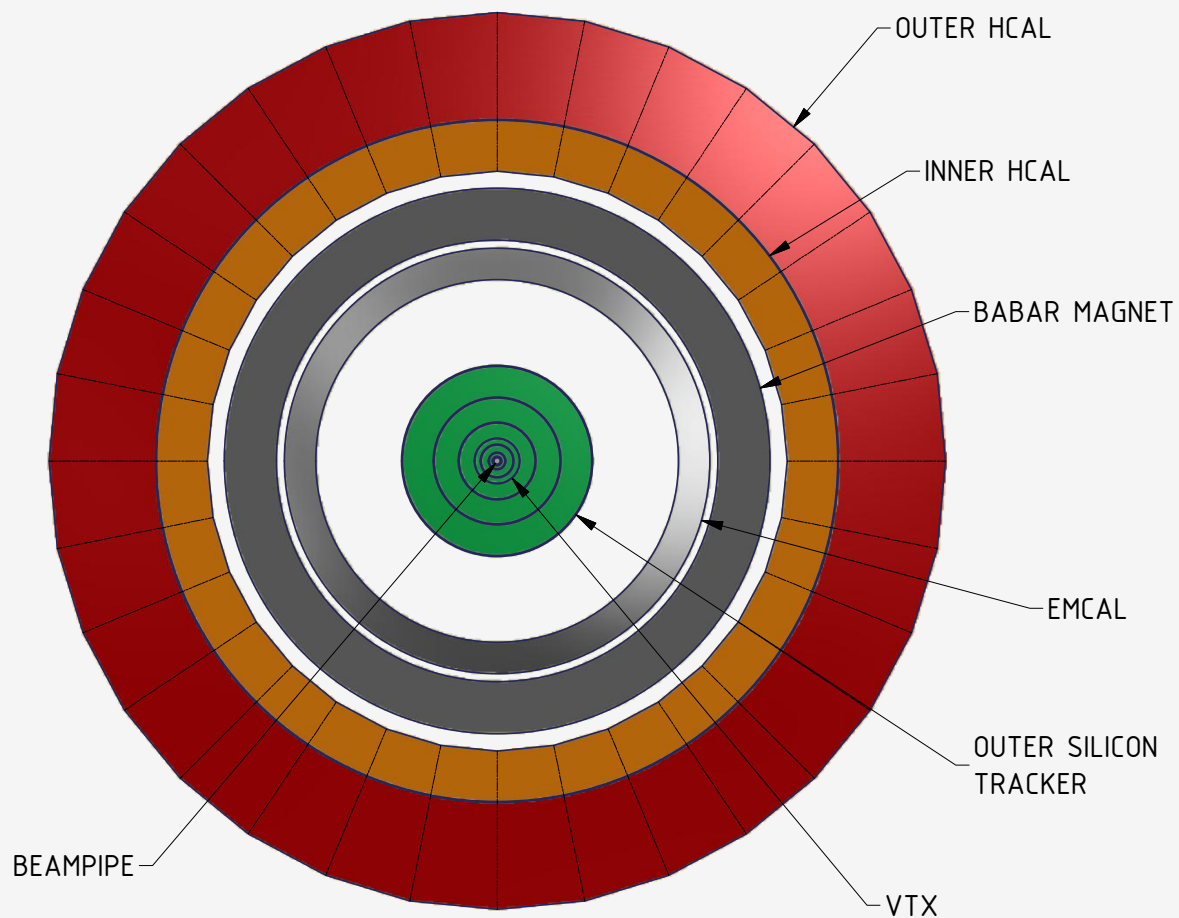


Should be finishing up at
FERMILAB Next week

2/27/2014

Test of combined EMCAL and HCAL prototypes
at Fermilab in Feb 2014

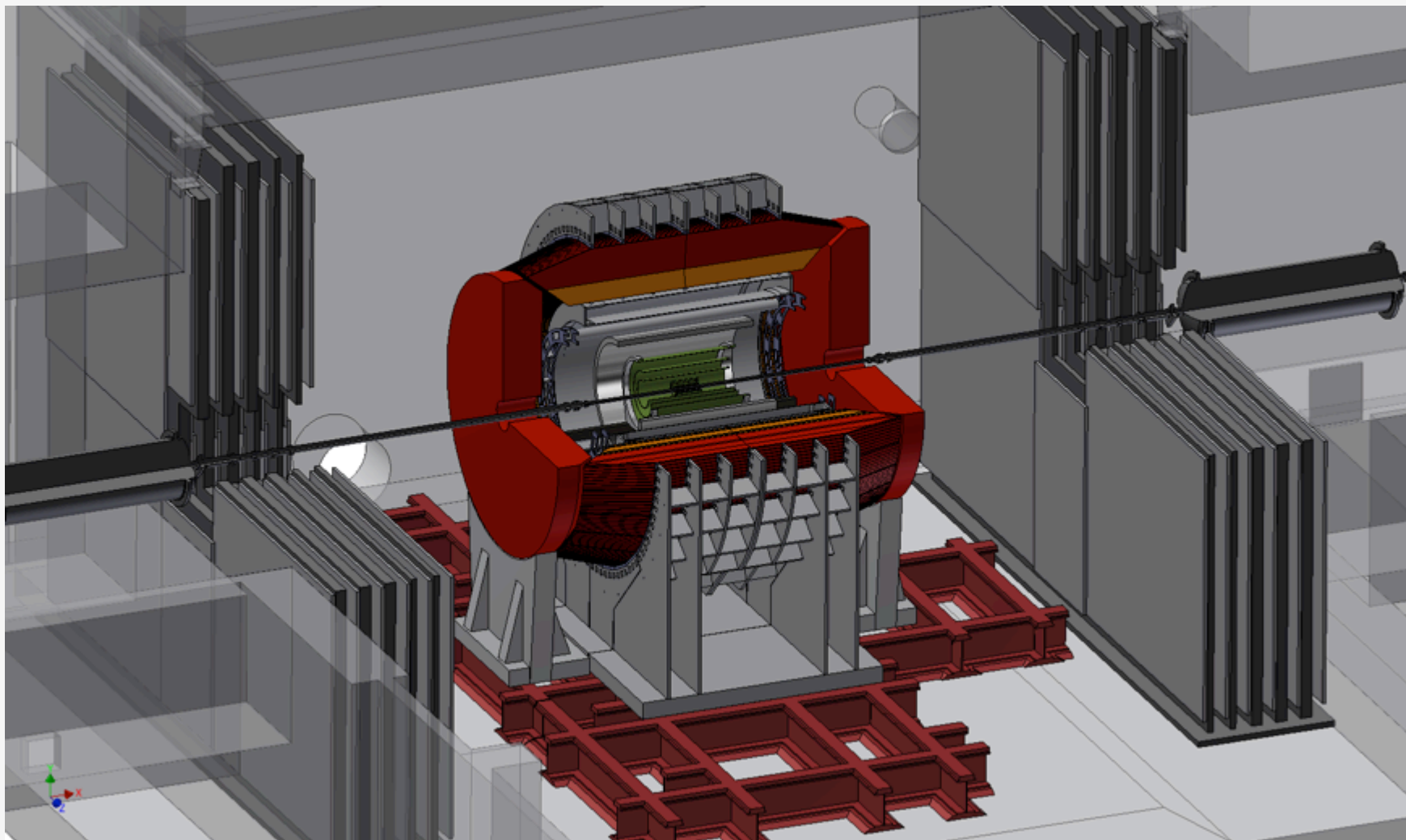
sPHENIX Detector Subsystems



2/27/2014

sPHENIX Overall Detector Design Concept

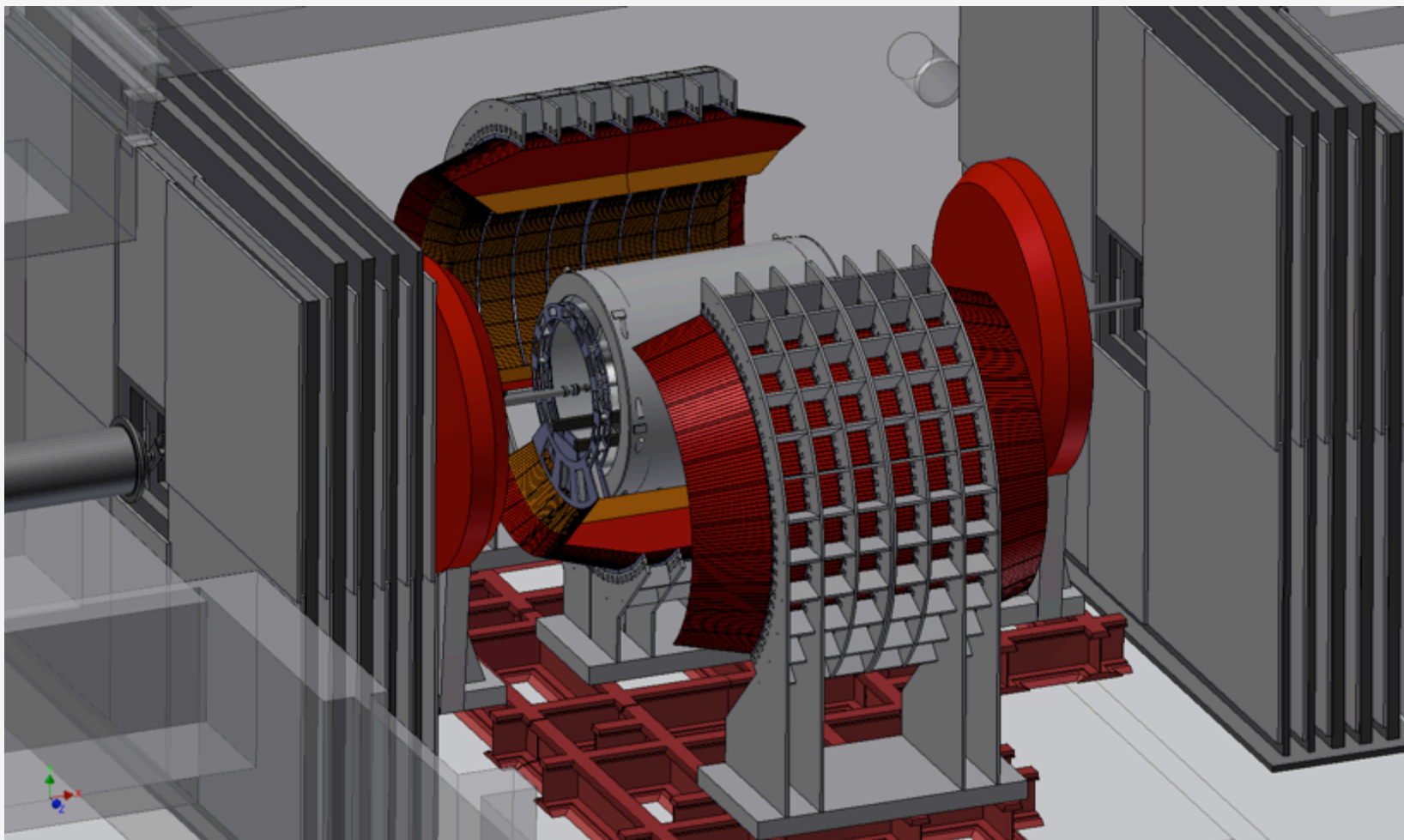
TECHNICAL SUPPORT NO. 4



2/27/2014

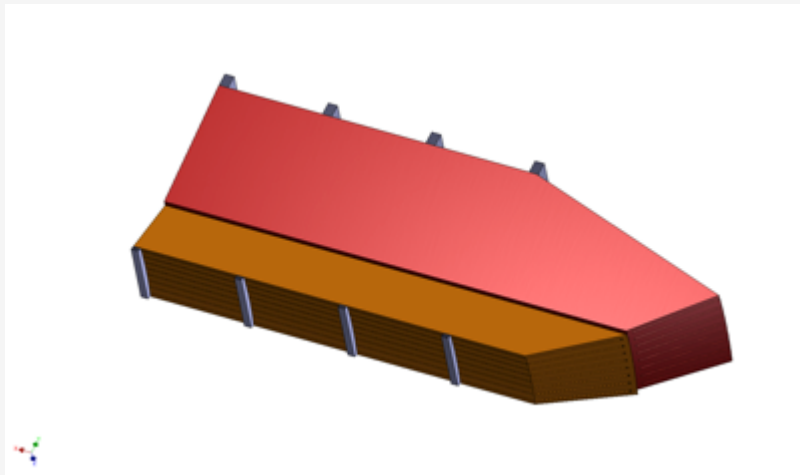
sPHENIX Overall Structural/Support Concept

TECHNICAL SUPPORT NO. 4

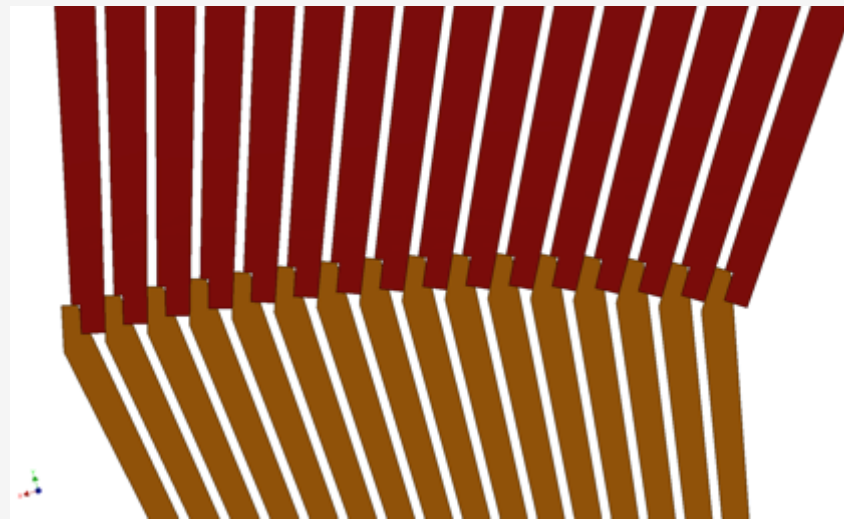


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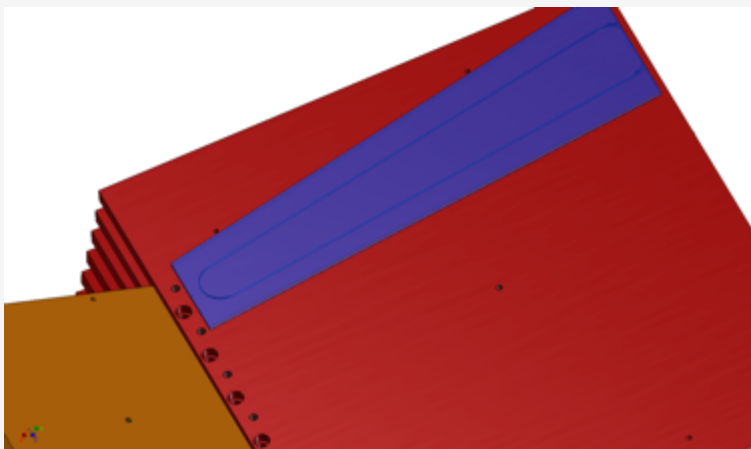
sPHENIX HCal Mechanical Design Concept



HCal Module



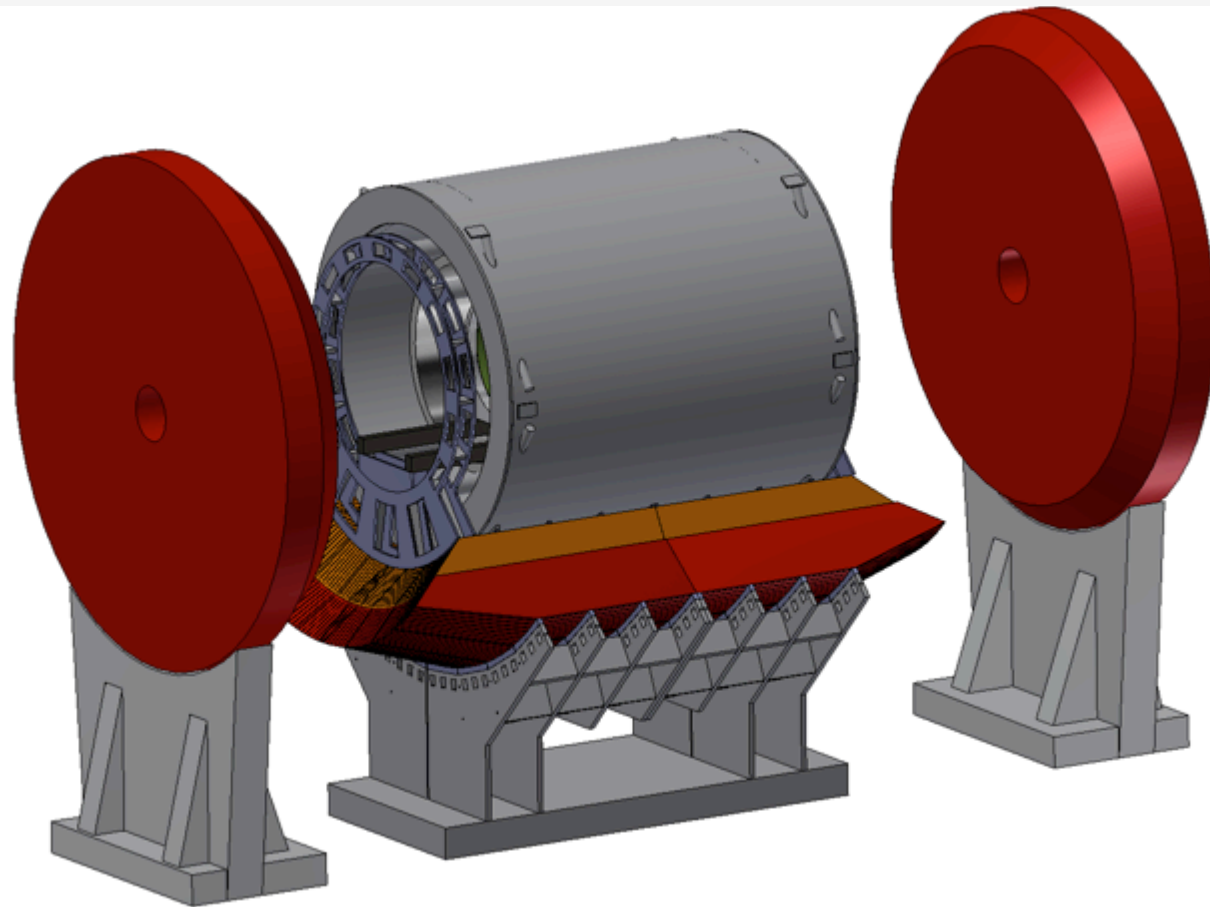
HCal Internal Steel Assembly
(Same as concept used in prototype)



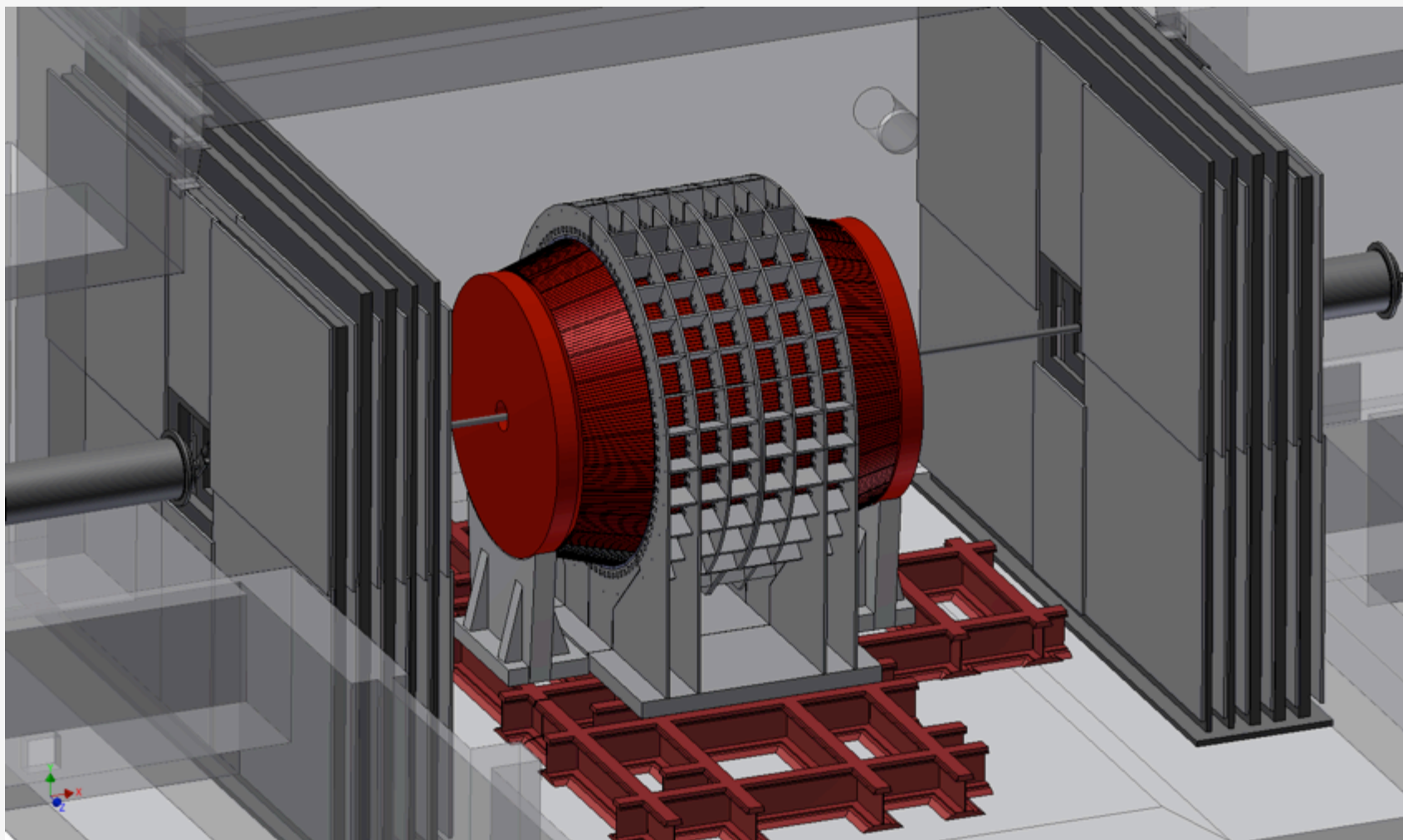
HCal Scintillator Light Collection
(Improvements to Prototype are needed)

2/27/2014

sPHENIX Flux Return End Caps, Basic Concept



PHENIX - sPHENIX - NOVA

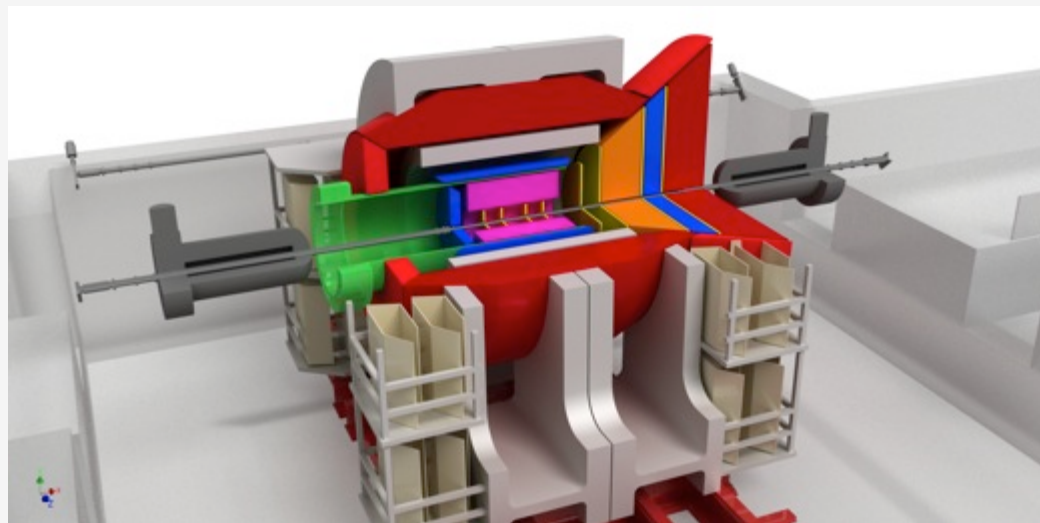


Updated sPHENIX Models

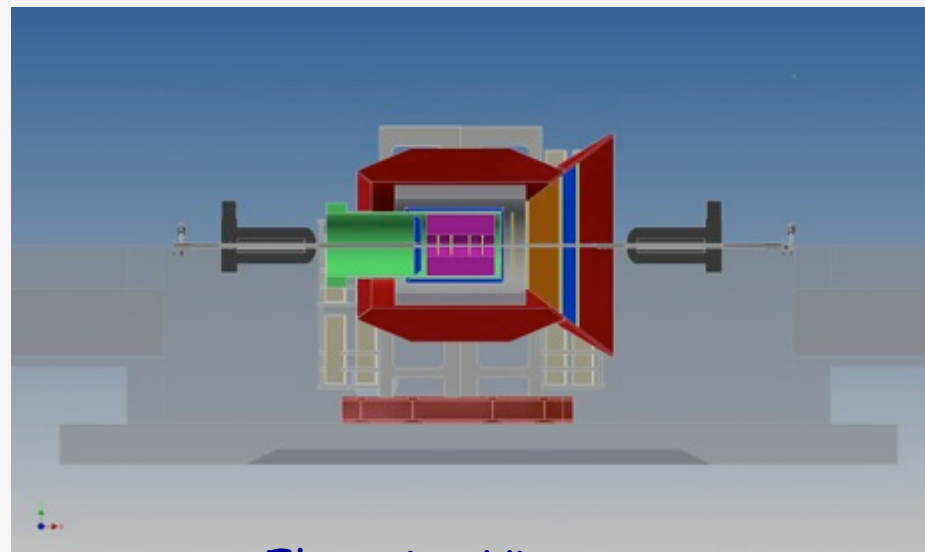
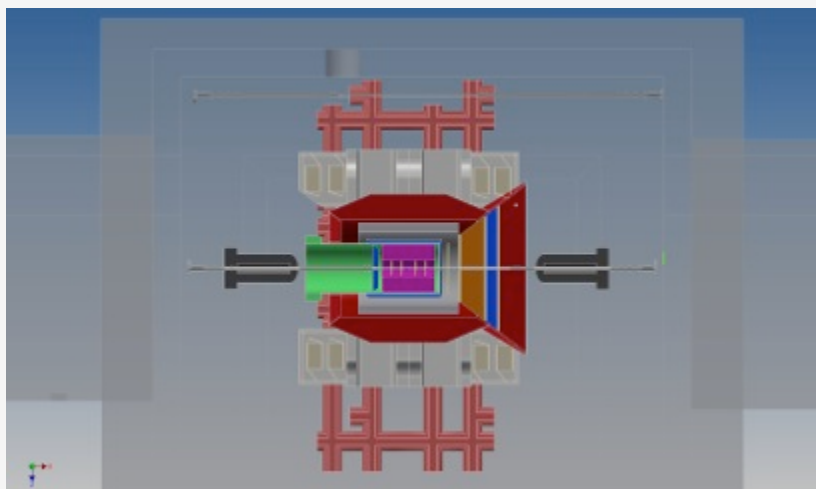
PHENIX Decommissioning
Plan is evolving

2/27/2014

ePHENIX



Plan View



Elevation View

2/27/2014

2014 planned Technical Support & 2014 Shutdown

TECHNICAL SUPPORT 2014

Support for run 14	2/3-6/30/2014
Support for sPHENIX prototype tests at FermiLab	1/21-2/25/2014
Procure & Fabricate parts for MPC-Ex North and South	1/1/2014-6/30/2014
Assemble & test MPC-Ex South, ready for installation	3/1-7/1/2014
End of Run Party	7/11/14?
Assemble & test MPC-Ex North, ready for installation	7/1-9/25/2014
Start of Shutdown Tasks (purge flammable gas, disassemble and stow shield wall, remove collars, move EC to AH, Move MMS south, etc.)	7/14 - 7/25/2014
Install scaffolding in Sta 1 South	7/28/2014
Remove MPC-Ex prototype, Install new MPC-Ex South	7/28-8/22/2014
Maint. & Repairs for MPC South, BBC South, RPC1 South, MuTr sta 1 South, as necessary	7/28-8/22/2014
Remove scaffolding from sta 1 south, Move CM South	8/25/2014
Install scaffolding in Sta 1 North	8/26-8/29/2014
Prep MPC-Ex North installation area	9/1-9/26/2014
Install new MPC-Ex North	9/29-10/17/2014
Remove Sta 1 North scaffolds, Move CM North	10/20-10/24/2014
Other detector support	TBD
Infrastructure Maintenance and Improvement	TBD
Decommissioning of obsolete PHENIX detector equipment	TBD
sPHENIX Support	on-going
End of Shutdown Tasks (Move MS north, roll in EC , install collars, remove 10 ton cart, plates and manlifts, build shield wall, etc.)	10/27-11/26/2014
Pink/White/Blue Sheets	1/17/2014
End of Shutdown Party	???
Start Flammable gas flow	???
Close shield wall, install radiation interlocks and prepare for run 14	12/31/2014
Start run 15	1/2/2015

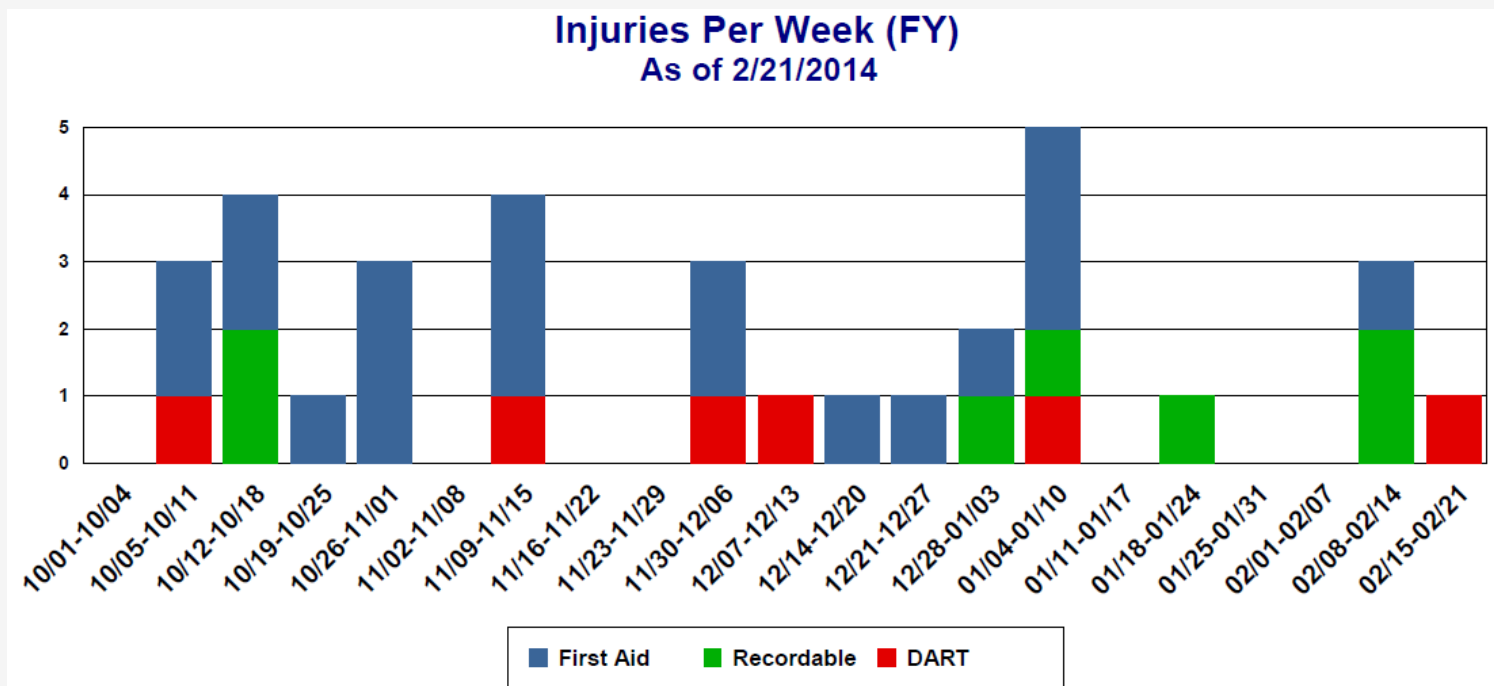
2/27/2014

1. From Ray Karol:

BNL can now accept plastics marked with numbers 1 to 7 for recycling, the same as in Brookhaven Town. In the past only 1 and 2 plastics were accepted.

2. Enter your FY 2014 Goals with PeopleSoft by March 7th





Injury Status:

FY14 YTD: DART – 6, TRC – 13, First Aid – 20

FY13: DART – 15, TRC – 37, First Aid – 53

FY12: DART – 19, TRC – 37, First Aid – 69

FY13 Injury Listing: <https://intranet.bnl.gov/esh/shsd/seg/OccInj/BNLInjuries.aspx>

Recent Injuries

2/19/14	DART	An employee slipped and fell on a water and ice covered surface. At the OMC, first aid was given. The worker was sent home and has now lost time from work.
2/13/14	First Aid	An employee slipped on the ice and injured a hand. At the OMC, first aid was given.

Recent Events		
2/18/14	SC-4	During a surveillance of the Building 555 elevator room, it was noted that the required lockout/tagout (LOTO) Job Performance Measure was not in place for the contractor who applied a LOTO tag/lock. (Event Link)
2/14/14	SC-BNL	After working on a food service refrigeration unit, a sub-contractor (ACME) did not properly secure electrical wiring. The wires were left exposed and energized. An investigation has been initiated, including the adequacy of work controls during the refrigeration unit repair. Note: This event categorization may be revised based on the findings of the work review investigation. (Event Link)

2/27/2014



Where To Find PHENIX Engineering Info

Run 14 Continues!



RIP

GHOSTBUSTER

Egon Spengler

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

2/27/2014



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Crane Mishap

Crane Failure Accident

Important safety tip